

Streambed Fill shall consist of natural field stone or natural river rock. Crushed stone from a quarry or other sources will not be permitted. Stone gradation will approximate the following size distribution; amounts finer than each Laboratory sieve(square openings) (percent by weight):

Size [inches] Material Percentage .01" 5 Sand .07" 5 Coarse Sand 1 1/2" - 2" Bank Run Gravel 10 2"-4" 5 Small Cobble 4"-8" Medium Cobble 30 8"-10" Large Cobble 30

Very Large Cobble

15

2' Cutoff Wall

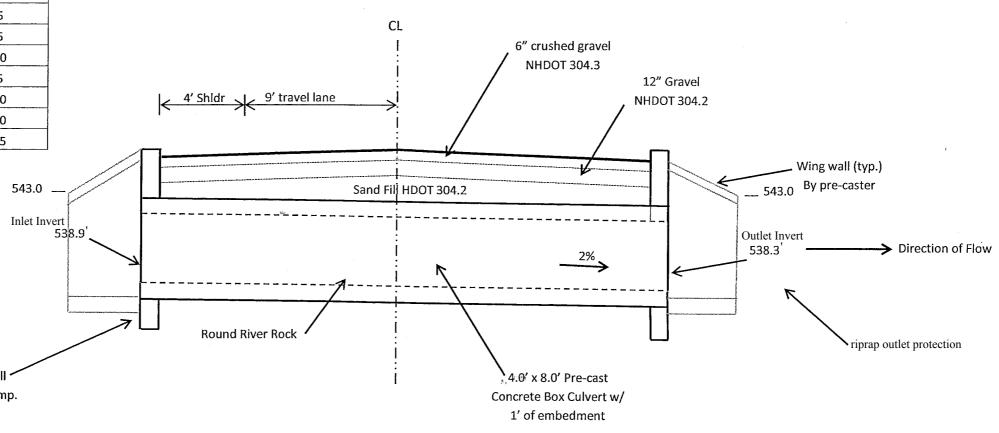
by pre-cast comp.

10"-12"

The size of the individual stone particle will be determined by measuring its diameter across the intermediate axis.

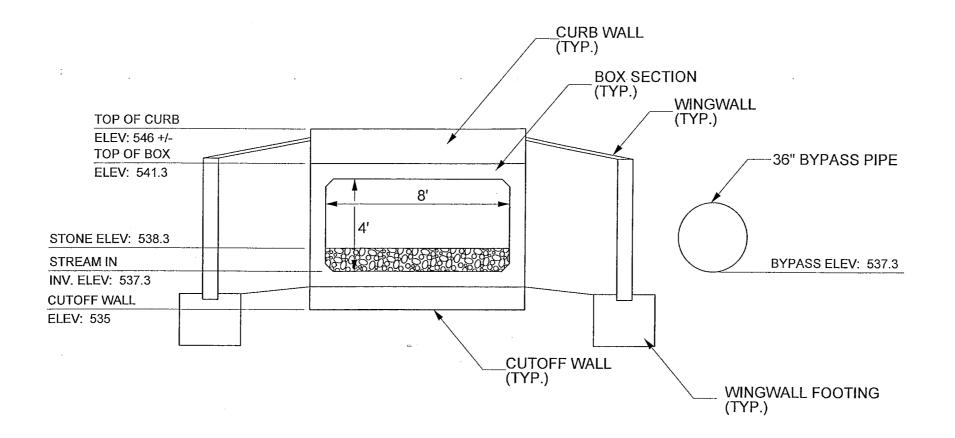
Stone particles shall be tough, dense, resistant to the action of air and water, and suitable in all respects for the purpose intended.

Streambed fill may contain small amounts of fine aggregate but shall contain no amount of soil material.



PAGE BROOK
BOX CULVERT SECTION
1" = 5' +/-

NHDOT PROJ. # 41890 MEREDITH NECK ROAD MEREDITH, NH



WINGWALL & BOX CULVERT END SECTION VIEW

NOT TO SCALE

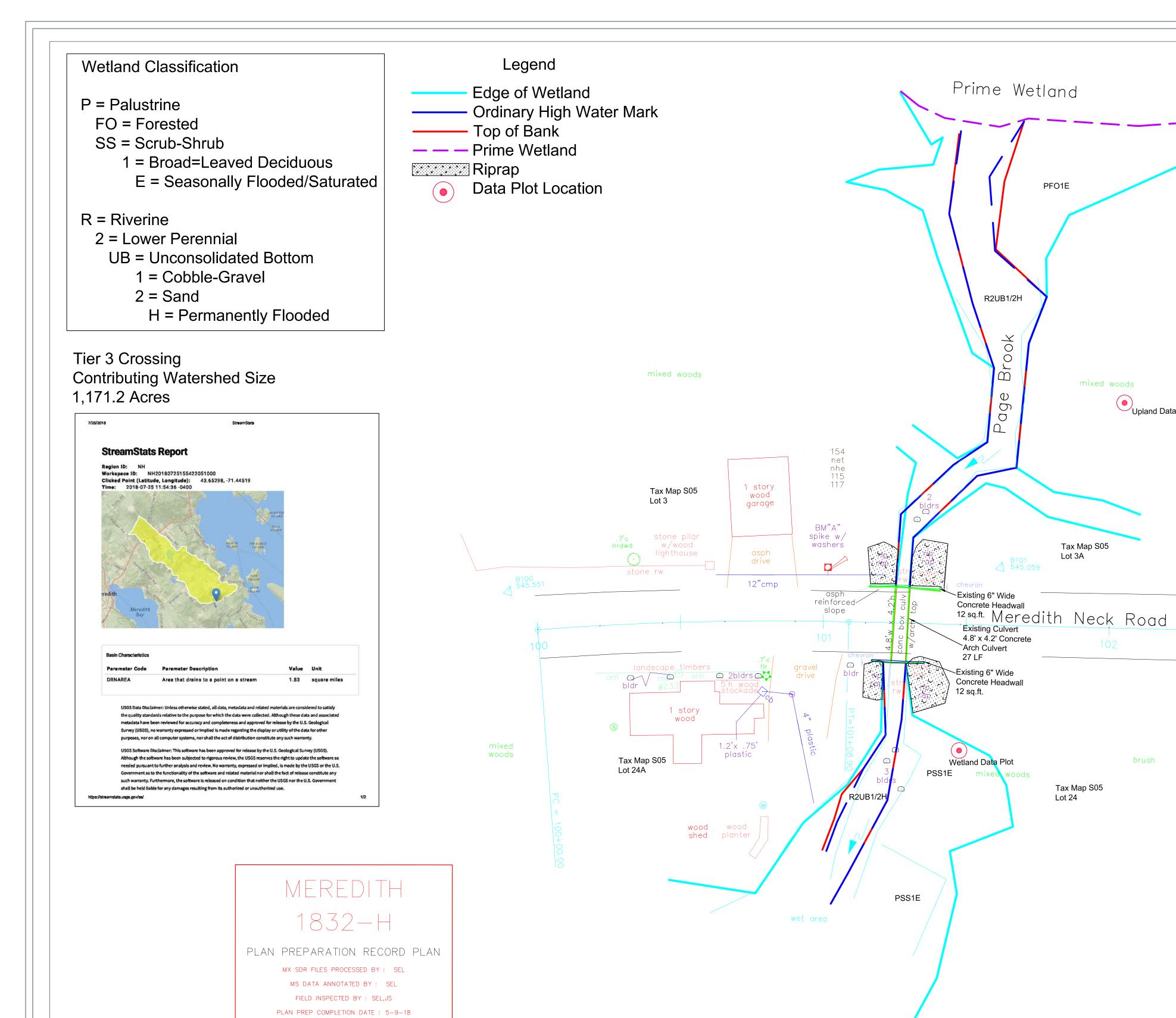
PRECAST BOX CULVERT & WINGWALL NOTES:

1. ALL DETAILS SHOWN ARE REASONABLE GRAPHIC REPRESENTATIONS OF THE PROPOSED STRUCTURES AND ARE NOT FOR CONSTRUCTION (ENGINEERED SHOP DRAWINGS TO BE PROVIDED BY MANUFACTURER PRIOR TO CONSTRUCTION.

2. THE DETAILS REPRESENTED ON THIS SHEET ARE NOT SITE SPECIFIC AND ARE INCLUDED TO DEMONSTRATE DESIGN INTENT ONLY. FINAL ELEVATIONS ABOVE STREAM BED ARE TO BE DETERMINIED BY PRECAST CONSTRUCTION METHODS.

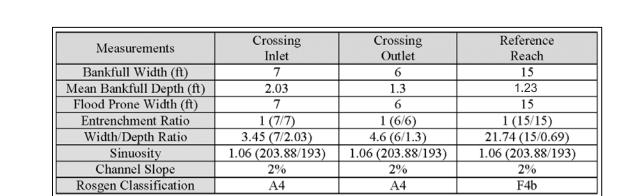
3. ALL SUBGRADE AND BEDDING DEPTHS AND SPECIFICATIONS FOR BOX CULVERT & WINGWALL FOOTING INSTALLATION TO BE PROVIDED BY OTHERS PRIOR TO CONSTRUCTION (GEOTECHNICAL INVESTIGATION AND SPECIFICATION BY OTHERS).

NHDOT Project #41890 Page Brook Meredith Neck Road Meredith, NH



SURVEY COMPLETION DATE: 11-3-17 SURVEY BOOK NUMBERS: 13430

+ N. H. D. O. T. + SCALE IN FEET



mixed woods

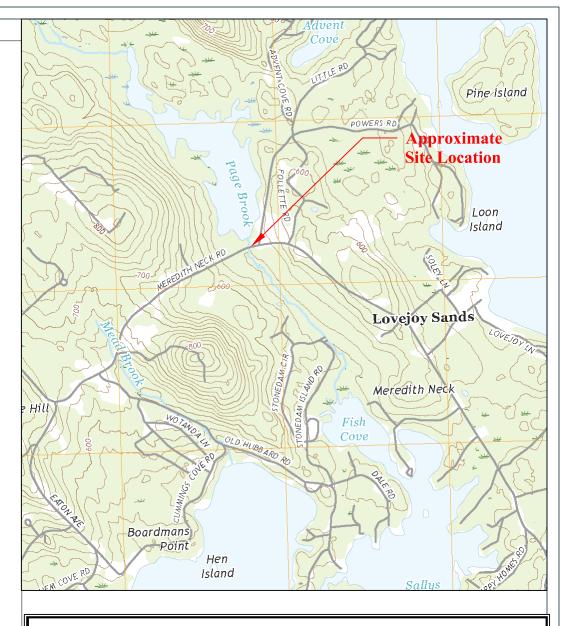
Upland Data Plot

S016 547.980



Description Date DATE: 5/28/19 SCALE: 1" = 10' PROJECT NO: 18-061 SHEET 1 OF 2

Revisions



Jurisdictional Wetlands were delineated by Stoney Ridge Environmental LLC on utilizing the following standards:

- 1) United States Department of Agriculture, Natural Resources Conservation Service. 2016. Field Indicators of Hydric Soils in the United States, Version 8.0. L.M. Vasilas, G.W. Hurt, and J.F. Berkowitz (eds.). USDA, NRCS, in cooperation with the National Technical Committee for Hydric Soils.
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- Banks, W.N. Kirchner, and N.C. Melvin. 2016. The National Wetland Plant List: 2016 wetland ratings. Phytoneuron 2016-30:1-17. Corps of Engineers Wetlands Delineation Manual. January 1987. Wetlands
- Research Program Technical Report Y-87-1.
- Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region. January 2012, version 2. U.S. Army Corps of
- Engineers. Environmental Laboratory ERDC/EL TR-12-1. Classification of Wetlands and Deepwater Habitats of the United States. December 1979. L. Cowardin, V. Carter, F. Golet, and E. LaRoe. US Department of the Interior. Fish and Wildlife Service. FWS/OBS-79/31.

Stoney Ridge Environmental LLC. 229 Prospect Mountain Road, Alton, NH 03809 (p): 603-776-5825, (f) 603-776-5826, info@stoneyridgeenv.com

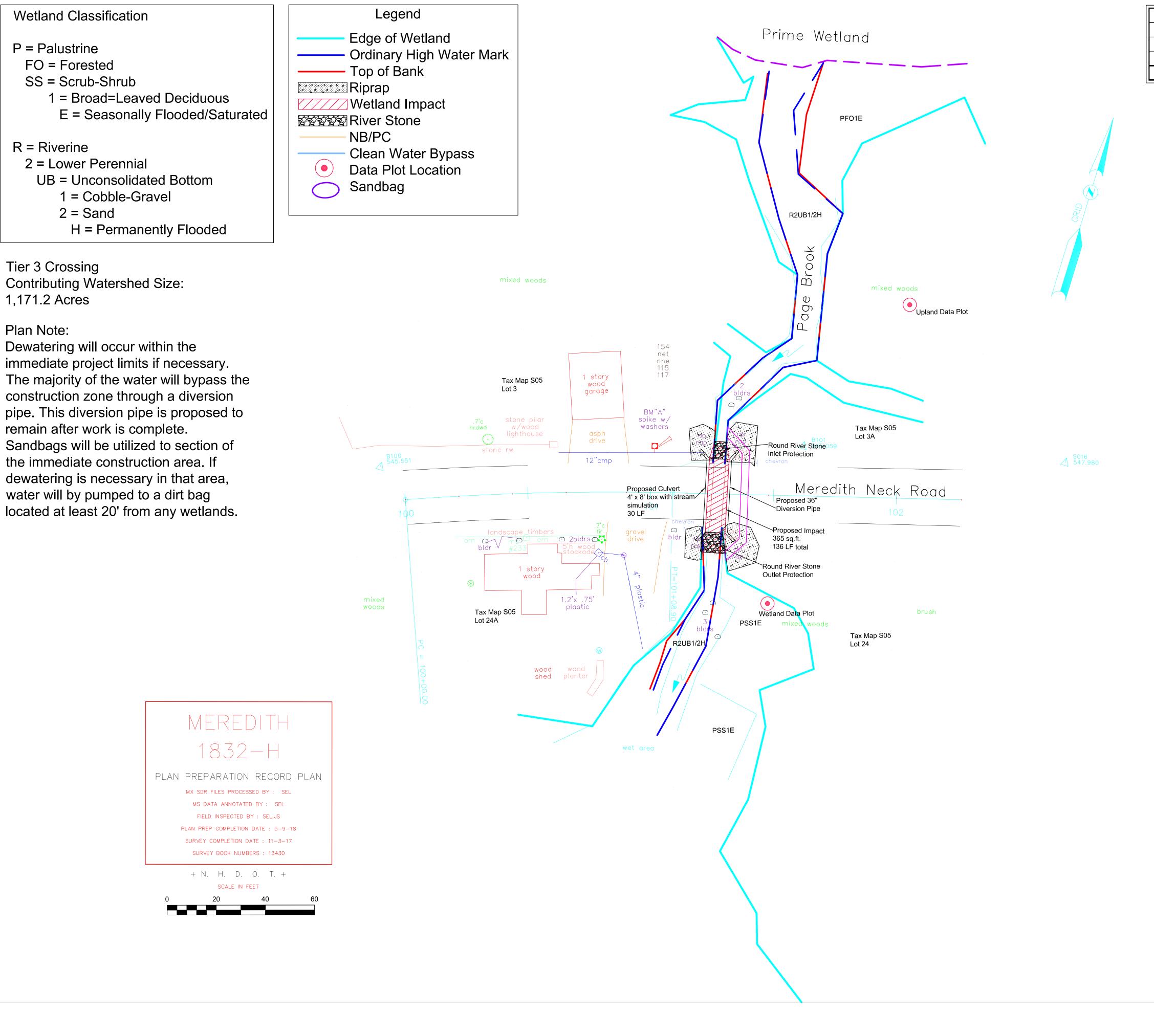
Base Plan Provided by NHDOT

Existing Conditions Plan NHDOT

NHDOT PROJECT NO 41890 TAX MAP S05, R-O-W MEREDITH NECK ROAD MEREDITH, NH



Stoney Ridge Environmental LLC 229 Prospect Mountain Road, Alton, NH Phone: 603-776-5825



Wetland Impact ChartStructuresq.ft.Wetland ClassificationBox Culvert240R2UB1/2HRiprap Aprons125R2UB1/2HTotal Impact365

Construction Sequence

1. All principals involved in the

scheduling of the construction.

and inspected regularly.

Date

DATE: 5/28/19

PROJECT NO: 18-061

3. Install the diversion pipe.

4. Remove the existing culvert.

construction (i.e. owner, excavator operator,

contractor) will meet for a pre construction

2. Prior to any construction all sediment and

erosion control structures will be installed

5. Install box cuvlert and simulated material

6. All construction debris will be removed

and disposed of out of jurisdictional areas.

sediment and erosion control structures will

Revisions

Description

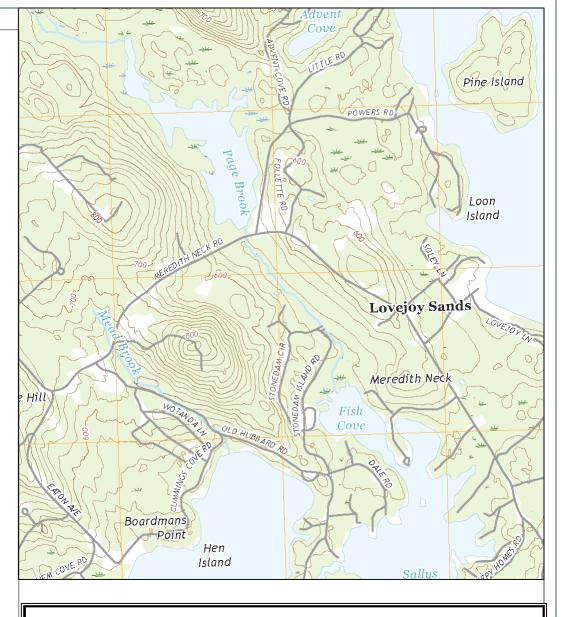
SCALE: 1" = 10'

SHEET 1 OF 2

7. After construction is complete all

be removed and properly disposed of.

meeting to discuss the sequence and



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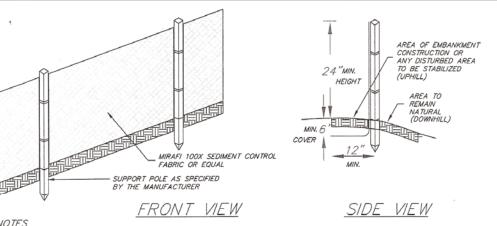
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- Research Program Technical Report Y-87-1.

 Regional Supplement to the Corps of Engineers Wetland Delineation Manual:
- (5) Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region. January 2012, version 2. U.S. Army Corps of Engineers. Environmental Laboratory ERDC/EL TR-12-1.
- 7) Classification of Wetlands and Deepwater Habitats of the United States. December 1979. L. Cowardin, V. Carter, F. Golet, and E. LaRoe. US Department of the Interior. Fish and Wildlife Service. FWS/OBS-79/31.



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- NOTES

 1. THE HEIGHT OF THE BARRIER SHALL NOT EXEED 36 INCHES.
 - 2. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND SECURELY SEALED. SEE MANUFACTURER'S RECOMMENDATIONS.

 3. POSTS SHALL BE PLACED AT A MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 12 INCHES). WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL BE AS MANUFACTURER RECOMMENDS.
- 4. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 6 INCHES WIDE AND 6 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE OF THE BARRIER IN ACCORDANCE WITH RECOMMENDATIONS.
- 5. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE, AND WILL EXTEND A MINIMUM OF 8 INCHES INTO THE TRENCH. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
- 6. THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC.
 7. FABRIC BARRIERS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
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- 3. FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST ONCE DAILY DURING PROLONGED RAINFALL AND ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
- SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
- 10. SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE—HALF THE HEIGHT OF THE BARRIER.
- ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

SILT FENCE DETAIL
N.T.S.

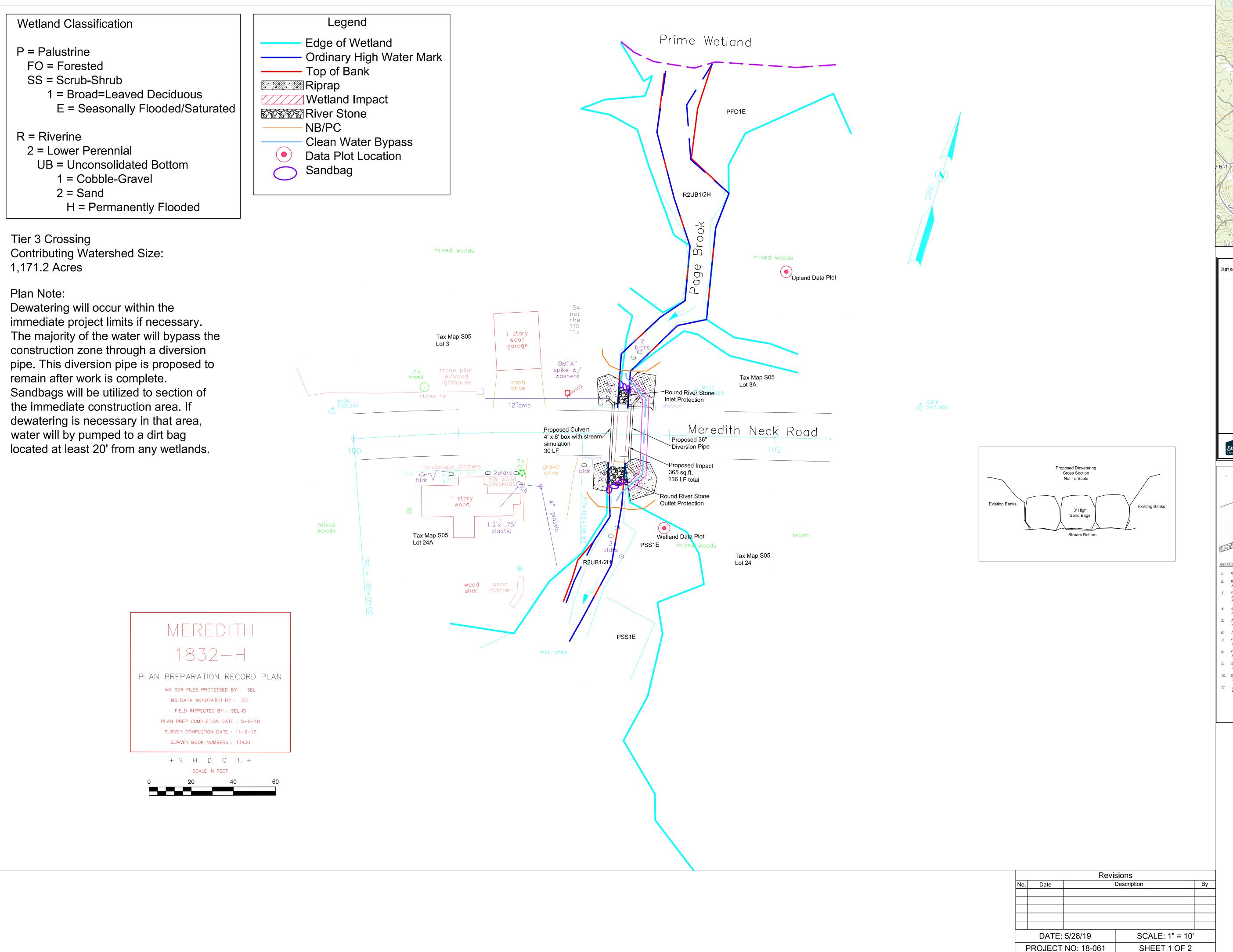
Base Plan Provided by NHDOT

Wetland Impact Plan

NHDOT NHDOT PROJECT NO 41890 TAX MAP S05, R-O-W MEREDITH NECK ROAD MEREDITH, NH



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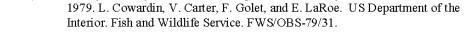


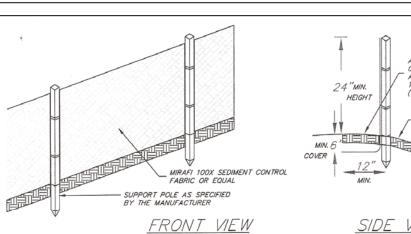


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SILT FENCE DETAIL

N.T.S.

Base Plan Provided by NHDOT

Erosion Control Plan

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MEREDITH, NH



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